

Abstract

A non-highway vehicle including an engine, a DC power source driven by the engine and providing DC power via a DC bus, a traction motor, a circuit for connection to the DC bus for providing power to the traction motor, and a controller. The circuit includes at least two inverters which share the power supplied to the traction motor. A first inverter connects between the DC bus and the traction motor and a second inverter connects between the DC bus and the traction motor. The second inverter is in parallel connection with the first inverter. The controller coordinates operation of the first and second inverters.